

ship July 8th or sooner

Work Order ID 60137

June 25, 2010 12:40:53 PM



Item ID: D412-702-013
Revision ID:
Item Name: 5-Man Fwd Facing Shoulder Harness
Start Date: 6/25/10 Start Qty: 1.00
Required Date: 7/02/10 Req'd Qty: 1.00
Reference:

Accept



Setup Start



Stop



Cust Item ID:
Customer:

Approvals: Process Plan:
QC:

Handwritten signature

Date: Tooling:
Date: SPC (Y/N):

Date:
Date:

Run Start



Stop



| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| N/A | Rev N/A |

100

0.00



DOCUMENT CONTROL

DC

0.00

Document Control

Memo

Photocopy bluefile and create labels per PPP D412-702-013 CHG002

Sublog

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10-6-25 *Handwritten signature*

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

Sublog

Handwritten mark

Work Order ID 60137

June 25, 2010 12:40:53 PM

Page 2

Item ID: D412-702-013

Accept

Revision ID:

Item Name: 5-Man Fwd Facing Shoulder Harness

Start Date: 6/25/10 Start Qty: 1.00

Required Date: 7/02/10 Req'd Qty: 1.00

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPPD412-702-013

Location:

PPP Rev: A

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

6/27/10 @

11.10.07.06

MF

10-7-5.

Picklist Print

June 25, 2010 12:40:50 PM

Work Order ID: 60137

Parent Item: D412-702-013

Parent Item Name: 5-Man Fwd Facing Shoulder Harness

Start Date: 6/25/10

Required Date: 7/02/10

Start Qty: 1.00

Required Qty: 1.00

D3196-1
Bar

Manufactured No 120 Each 11.0000

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST260 | 11 | |
| 30146 | 5 | |
| 31466 | 2 | |
| 39319 | 4 | |

10-6-258

D3197-041
Bar Assembly

Manufactured No 120 Each 1.0000

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST260 | 1 | |
| 56548 | 1 | |

10-6-25

D3215-041
Belt Assembly

Manufactured No 120 Each 0.0000

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST245 | 10 | |
| 43643 | 10 | |

10-6-25

D3268-1
Placard

Manufactured No 120 Each 10.0000

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST245 | 21 | |
| 35150 | 3 | |
| 56649 | 18 | |

10-6-25

D3546-1
Clip

Manufactured No 120 Each 21.0000

10-6-25

Picklist Print

June 25, 2010 12:40:50 PM

Work Order ID: 60137

Parent Item: D412-702-013

Parent Item Name: 5-Man Fwd Facing Shoulder Harness


Start Date: 6/25/10

Required Date: 7/02/10

Start Qty: 1.00


Required Qty: 1.00

Comments: IPP RevB Removed Manufacturing
 IPP Rev:C 06.04.03: 1As per DS19324 JLM
 IPP rev D 06.12.14 per ecn 871 EC
 IPP Rev:E 07-03-14 As per DS1 9351 JLM
 IPP Rev:E 07-07-28 As per Rev E JLM Verified By:ec

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|--|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| AN4-13A  Bolt | | Purchased | No | | | 120 | Each | 380.0000 | 4 | 4 | | | |


10-6-2558

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST357 | 380 | |
| 114941 | 380 | |

| | | | | | | | | | | | | | |
|--|--|--------------|----|--|--|-----|------|--------|---|---|--|--|--|
| D3195-041  Bracket Assembly | | Manufactured | No | | | 120 | Each | 8.0000 | 2 | 2 | | | |
|--|--|--------------|----|--|--|-----|------|--------|---|---|--|--|--|

10-6-25

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST246A | 8 | |
| 51387 | 8 | |

| | | | | | | | | | | | | | |
|--|--|--------------|----|--|--|-----|------|--------|---|---|--|--|--|
| D3195-043  Bracket Assembly | | Manufactured | No | | | 120 | Each | 5.0000 | 2 | 2 | | | |
|--|--|--------------|----|--|--|-----|------|--------|---|---|--|--|--|

10-6-2558

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| ST246A | 5 | |
| 51393 | 5 | |

2

Picklist Print

June 25, 2010 12:40:51 PM

Work Order ID: 60137

Parent Item: D412-702-013

Parent Item Name: 5-Man Fwd Facing Shoulder Harness

Start Date: 6/25/10

Required Date: 7/02/10

Start Qty: 1.00

Required Qty: 1.00

D3551-11

 Hook and Loop Tie

Manufactured No

120 Each

10.0000

1.5



[Handwritten signature]

Location Loc Qty Loc Code

ST245 10
 55185 10

120 Each

2.0000

1



55185
10.6.25 sl

D412-702-069

 Grommet *CHG 061*

Manufactured No

Location Loc Qty Loc Code

FG122 2
 55189 2

120 Each

59.0000

2



1
10.6.25 sl

MS24694-S152

 Screw

Purchased No

Location Loc Qty Loc Code

ST289A 59
 103641 59

120 Each

48.0000

2



2
10.6.25 sl

MS24694-S154

 SCREW

Purchased No

Location Loc Qty Loc Code

ST290 48
 112082 48

48

48

2



2

shp July 8th or sooner

Work Order ID 60137

June 25, 2010 12:40:53 PM



Item ID: D412-702-013

Accept



Setup Start



Revision ID:

Stop



Item Name: 5-Man Fwd Facing Shoulder Harness

Start Date: 6/25/10 Start Qty: 1.00



Cust Item ID:

Required Date: 7/02/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

U

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-702-013 CHG002

110

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

120

0.00



QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control

7.0 PARTS LISTS

| QTY -011 | QTY -013 | QTY -015 | QTY -017 | QTY -019 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|--------------|--|
| X | | | | | D412-702-011 | Dart 13-Man Shoulder Harness Kit |
| | X | | | | D412-702-013 | Dart 5-Man Forward Facing Shoulder Harness Kit |
| | | X | | | D412-702-015 | Dart 4-Man Aft Facing Shoulder Harness Kit |
| | | | X | | D412-702-017 | Dart 4-Man Side Facing Shoulder Harness Kit |
| | | | | X | D412-702-019 | Dart 1-Man Forward Facing Shoulder Harness Kit |
| 1 | 1 | | 1 | 1 | D412-702-069 | GROMMET KIT |
| 2 | 2 | | | | D3195-041 | BRACKET |
| 2 | 2 | | | | D3195-043 | BRACKET |
| 1 | 1 | | | 1 | D3196-1 | BAR |
| 1 | | | 1 | | D3196-3 | BAR |
| 1 | | | 1 | | D3196-4 | BAR |
| 2 | 2 | | | | D3197-041 | BAR |
| 4 | | 4 | | | D3198-1 | FITTING |
| 18 | 10 | | 8 | 2 | D3215-041 | HARNESS ASSEMBLY |
| 4 | | 4 | | | D3215-043 | HARNESS ASSEMBLY |
| 2 | 2 | | | | D3268-1 | PLACARD |
| 13 | 5 | 4 | 4 | 1 | D3551-11 | HOOK AND LOOP TIE |
| 2 | 2 | | | | D3546-1 | CLIP |
| 4 | | 4 | | | AN4-5A | BOLT |
| 4 | 4 | | | | AN4-13A | BOLT |
| 8 | | 8 | | | AN4-20A | BOLT |
| 20 | | 20 | | | AN960JD416 | WASHER |
| 12 | | 12 | | | MS21042L4 | NUT (OR MS21042-4) |
| 8 | 2 | | 6 | 2 | MS24694-S152 | SCREW |
| 8 | 2 | | 6 | 2 | MS24694-S154 | SCREW |

REFERENCE ONLY

8

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Revision: E
Date: 07.06.27

| W/O: | | | WORK ORDER CHANGES | | | | | |
|------|------|--|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|--|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. D & E

REF. CANADIAN STC: SH04-7

REF. FAA STC: SR01997NY

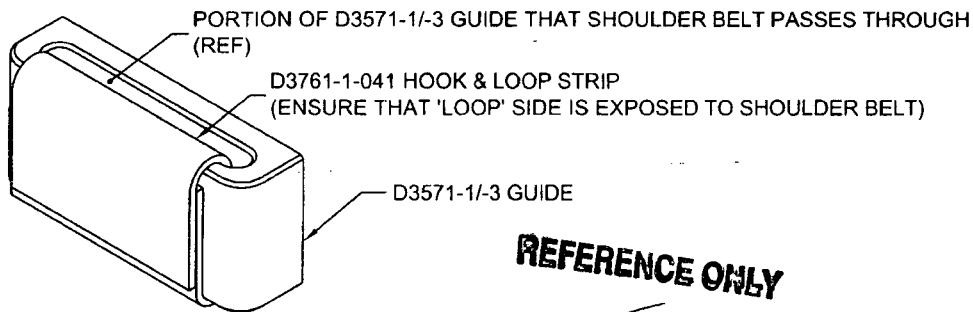
EASA STC: EASA.IM.R.S.00710

DSI9408-011/-013/-015/-017 Hook and Loop Strip Kits are available to upgrade existing D412-702-041A/-043A/-045A/-049A/-051A/-051B/-052A/-052B 3-Point Shoulder Harness Kits at CHG 001 and D412-702-041B/-043B/-045B/-049B 3-Point Shoulder Harness Kits at CHG 002. The DSI9408-011/-013/-015/-017 kits are included in D412-702-041A/-043A/-045A/-049A/-051A/-051B/-052A/-052B kits at CHG 002 and D412-702-041B/-043B/-045B/-049B kits at CHG 003.

The DSI9408 kits provide D3761-1-041 hook and loop strips that help prevent passengers from inadvertently pulling the shoulder belts out of the D3571-1/-3 guides. Installation of the D3761-1-041 hook and loops strips is optional.

The D3761-1-041 hook and loop strip is installed by wrapping the strip tightly around the front face of the D3571-1/-3 guide so that the "loop" side of the strip is exposed to the shoulder belt as shown in the figure below. The kits are as follows:






| QTY -011 | QTY -013 | QTY -015 | QTY -017 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|--|
| X | | | | DSI9408-011 | 9-Man Hook and Loop Strip Kit Upgrades D412-702-041A kits at CHG 001 Upgrades D412-702-041B kits at CHG 002 |
| | X | | | DSI9408-013 | 5-Man Hook and Loop Strip Kit Upgrades D412-702-043A Kits at CHG 001 Upgrades D412-702-043B Kits at CHG 002 |
| | | X | | DSI9408-015 | 4-Man Hook and Loop Strip Kit Upgrades D412-702-047A Kits at CHG 001 Upgrades D412-702-047B Kits at CHG 002 |
| | | | X | DSI9408-017 | 1-Man Hook and Loop Strip Kit Upgrades D412-702-049A Kits at CHG 001 Upgrades D412-702-049B Kits at CHG 002 Upgrades D412-702-051A Kits at CHG 001 Upgrades D412-702-051B Kits at CHG 001 Upgrades D412-702-052A Kits at CHG 001 Upgrades D412-702-052B Kits at CHG 001 |
| 9 | 5 | 4 | 1 | D3761-1-041 | Hook and Loop Strip |



CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 08.03.05
CERT. NO.: SH04-7
ISSUE NO.: 3

| | | | |
|------------|---|--|--------------|
| A | NEW ISSUE | LE | 08.03.05 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN |  | DART AEROSPACE LTD | |
| DRAWN |  | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED |  | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9408 | SHEET 1 OF 1 |
| APPROVED |  | TITLE | SCALE |
| DE APPR. |  | HOOK AND LOOP STRIP | NTS |
| DATE | 08.03.05 | COPYRIGHT © 2008 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> | |

| W/O: | | | WORK ORDER CHANGES | | | | | |
|------|------|--|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|--|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

NOTE: Date & initial all entries